

SUPPLEMENTAL MATERIAL

Table S1. Rates of Transradial versus Transfemoral Access by degree of renal dysfunction

GFR (ml/min)	Total patients	TR patients	TF patients	% TR	% TF
45-59	35207	5315	29892	15.1%	84.9%
30-44	10976	1485	9491	13.5%	86.5%
15-29	1972	232	1740	11.8%	88.2%

Abbreviations: GFR, glomerular filtration rate; TF, transfemoral; TR, transradial

Table S2. After adjustment for contrast use and excluding patients undergoing same-day PCI

Outcome	Total N for Model	Comparison	Adjusted*			
			HR	Lower CL	Upper CL	P-value
ESRD		No CKD	1.01	0.543	1.876	0.977
		45-59	1.46	0.729	2.906	0.287
		30-44	0.45	0.156	1.274	0.131
		15-29	0.59	0.23	1.533	0.281
	47412	All patients	0.75	0.517	1.08	0.122
Major Bleeding		No CKD	0.58	0.392	0.868	0.008
		45-59	0.57	0.281	1.174	0.128
		30-44	0.65	0.312	1.365	0.257
		15-29	1.01	0.27	3.743	0.994
	47412	All patients	0.6	0.416	0.865	0.006

Abbreviations: CKD, chronic kidney disease; CL, confidence limit; ESRD, end-stage renal disease

Table S3. After excluding sites (n=28) with <5% transradial use

Outcome	Total N for Model	Comparison	Adjusted			
			HR	Lower CL	Upper CL	P-value
ESRD		No CKD	0.93	0.712	1.223	0.616
		45-59	1.1	0.796	1.512	0.57
		30-44	0.85	0.629	1.143	0.278
		15-29	0.72	0.532	0.985	0.04
	161881	All patients	0.84	0.706	1	0.05
Major Bleeding		No CKD	0.97	0.712	1.312	0.826
		45-59	0.9	0.661	1.235	0.526
		30-44	0.65	0.447	0.941	0.023
		15-29	0.4	0.175	0.899	0.027
	161881	All patients	0.88	0.69	1.122	0.303

Abbreviations: CKD, chronic kidney disease; CL, confidence limit; ESRD, end-stage renal disease

Table S4. Excluding patients with prior CABG

Outcome	Total N for Model	Comparison	Adjusted			
			HR	Lower CL	Upper CL	P-value
ESRD		No CKD	0.92	0.707	1.189	0.513
		45-59	1.03	0.733	1.438	0.878
		30-44	0.79	0.566	1.099	0.161
		15-29	0.68	0.497	0.939	0.019
		All patients	0.83	0.692	1.001	0.052
Major Bleeding	179123	No CKD	0.95	0.713	1.276	0.75
		45-59	0.93	0.685	1.257	0.629
		30-44	0.73	0.5	1.073	0.11
		15-29	0.33	0.123	0.855	0.023
		All patients	0.89	0.708	1.118	0.317

Abbreviations: CABG, coronary artery bypass grafting; CKD, chronic kidney disease; CL, confidence limit; ESRD, end-stage renal disease